

AMENDMENTS TO THE CLAIMS

Claim 1 (Canceled)

2. (Original) A golf ball manufacturing method comprising the steps of:
forming a core including a large number of concave portions provided on a surface thereof by means of a core mold having a spherical cavity surface and a large number of projections provided on the cavity surface; and
putting the core in a cover mold including a spherical cavity surface, a large number of projections formed on the cavity surface and a holding pin, holding the core in a center of a cavity by means of the holding pin and filling a gap between the cavity surface and the core with a cover material,
wherein a predetermined concave portion is caused to abut on a tip of the holding pin so that the core is positioned in such a manner that the concave portion corresponds to the projection at the cover forming step.

3. (Original) The golf ball manufacturing method according to claim 2, wherein a depth of the concave portion abutting on the tip of the holding pin is greater than depths of the other concave portions.

4. (Original) A golf ball manufacturing method comprising the steps of:
forming a core including a large number of concave portions provided on a surface thereof by means of a core mold having a spherical cavity surface and a large number of projections provided on the cavity surface;
causing a large number of projections formed on a hemispherical cavity surface to abut on the concave portions to hold the core in a predetermined position by using a core holding mold having the cavity surface and the projections;
pouring a reaction curing type resin composition into a first half mold of a cover mold including the first half mold and a second half mold which have semispherical cavity surfaces

and a large number of projections provided on the cavity surfaces, thereby causing the resin composition to gelate;

joining the first half mold and the core holding mold together in such a manner that the projections of the first half mold correspond to the concave portions, thereby curing the resin composition;

pouring a reaction curing type resin composition into the second half mold, thereby causing the resin composition to gelate; and

holding the core by the first half mold and joining the first half mold and the second half mold together in such a manner that the projections of the second half mold correspond to the concave portions, thereby curing the resin composition of the second half mold.

5. (Original) A golf ball manufacturing method comprising the steps of:
forming a core including a large number of concave portions provided on a surface thereof by means of a core mold having a spherical cavity surface and a large number of projections provided on the cavity surface; and
forming a cover while positioning the core to cause a large number of projections formed on a spherical cavity surface of a cover mold to correspond to the concave portions by means of the cover mold, the cover mold having a projection pattern which is identical to a projection pattern of the core mold.

6. (Currently Amended) The golf ball according to ~~Claim 1~~ Claim 14, wherein the cover has a thickness of 0.3 mm to 1.2 mm.

7. (Currently Amended) The golf ball according to ~~Claim 1~~ Claim 14, wherein the cover has a thickness of 0.3 mm to 1.0 mm.

Claims 8-11 (Canceled)

12. (Currently amended) The golf ball according to ~~Claim 1~~ Claim 14, wherein the dimples have a shape which is circular, non-circular, or both circular and non-circular.

13. (Currently amended) The golf ball according to ~~Claim 1~~ Claim 14, wherein the core comprises more than one layer.

14. (New) A golf ball comprising:
a solid core, and
a cover having a nominal thickness of 0.1 mm to 1.2 mm disposed on the surface of the solid core,
said core being provided with concave dimples on its outer surface and said cover being provided with concave dimples on its outer surface, said concave dimples on the outer surface of the core corresponding to and aligned with the concave dimples on the cover surrounding the core,
wherein the thickness of the cover under the deepest portion of each dimple is in the range of 60 to 140% of the normal thickness of the cover.

15. (New) A golf ball comprising:
a solid core, and
a cover having a nominal thickness of 0.1 mm to 1.2 mm disposed on the surface of the solid core,
said core being provided with concave dimples on its outer surface and said cover being provided with concave dimples on its outer surface, said concave dimples on the outer surface of the core corresponding to and aligned with the concave dimples on the cover surrounding the core,
wherein the thickness of the cover under the deepest portion of each dimple is in the range of 80 to 120% of the normal thickness of the cover.

16. (New) A golf ball comprising:
a solid core, and
a cover having a nominal thickness of 0.1 mm to 1.2 mm disposed on the surface of the solid core,
said core being provided with concave dimples on its outer surface and said cover being provided with concave dimples on its outer surface, said concave dimples on the outer surface of the core corresponding to and aligned with the concave dimples on the cover surrounding the core,
wherein each concave dimple has a diameter which is 60% to 140% of the diameter of a corresponding dimple with which it is aligned.

17. (New) A golf ball comprising:
a solid core, and
a cover having a nominal thickness of 0.1 mm to 1.2 mm disposed on the surface of the solid core,
said core being provided with concave dimples on its outer surface and said cover being provided with concave dimples on its outer surface, said concave dimples on the outer surface of the core corresponding to and aligned with the concave dimples on the cover surrounding the core,
wherein each concave dimple has a diameter which is 80% to 120% of the diameter of a corresponding dimple with which it is aligned.

18. (New) A golf ball comprising:
a solid core, and
a cover having a nominal thickness of 0.1 mm to 1.2 mm disposed on the surface of the solid core,
said core being provided with concave dimples on its outer surface and said cover being provided with concave dimples on its outer surface, said concave dimples on the outer surface of

the core corresponding to and aligned with the concave dimples on the cover surrounding the core,

wherein the depth of the dimple in the core is 60 to 140% of the depth of the dimple in the cover.

19. (New) A golf ball comprising:

a solid core, and

a cover having a nominal thickness of 0.1 mm to 1.2 mm disposed on the surface of the solid core,

said core being provided with concave dimples on its outer surface and said cover being provided with concave dimples on its outer surface, said concave dimples on the outer surface of the core corresponding to and aligned with the concave dimples on the cover surrounding the core,

wherein the depth of the dimple in the core is 80% to 120% of the depth of the dimple in the cover.

20. (New) A golf ball comprising:

a solid core, and

a cover having a nominal thickness of 0.1 mm to 1.2 mm disposed on the surface of the solid core,

said core being provided with concave dimples on its outer surface and said cover being provided with concave dimples on its outer surface, said concave dimples on the outer surface of the core corresponding to and aligned with the concave dimples on the cover surrounding the core,

wherein the ratio of the number of dimples in the cover having corresponding and aligned dimples in the core to the total number of dimples in the cover is at least 60%.

21. (New) The golf ball according to Claim 15, wherein the cover has a thickness of 0.3 mm to 1.2 mm.

22. (New) The golf ball according to Claim 15, wherein the cover has a thickness of 0.3 mm to 1.0 mm.

23. (New) The golf ball according to Claim 15, wherein the dimples have a shape which is circular, non-circular, or both circular and non-circular.

24. (New) The golf ball according to Claim 15, wherein the core comprises more than one layer.

25. (New) The golf ball according to Claim 16, wherein the cover has a thickness of 0.3 mm to 1.2 mm.

26. (New) The golf ball according to Claim 16, wherein the cover has a thickness of 0.3 mm to 1.0 mm.

27. (New) The golf ball according to Claim 16, wherein the dimples have a shape which is circular, non-circular, or both circular and non-circular.

28. (New) The golf ball according to Claim 16, wherein the core comprises more than one layer.

29. (New) The golf ball according to Claim 17, wherein the cover has a thickness of 0.3 mm to 1.2 mm.

30. (New) The golf ball according to Claim 17, wherein the cover has a thickness of 0.3 mm to 1.0 mm.

31. (New) The golf ball according to Claim 17, wherein the dimples have a shape which is circular, non-circular, or both circular and non-circular.

32. (New) The golf ball according to Claim 17, wherein the core comprises more than one layer.

33. (New) The golf ball according to Claim 18, wherein the cover has a thickness of 0.3 mm to 1.2 mm.

34. (New) The golf ball according to Claim 18, wherein the cover has a thickness of 0.3 mm to 1.0 mm.

35. (New) The golf ball according to Claim 18, wherein the dimples have a shape which is circular, non-circular, or both circular and non-circular.

36. (New) The golf ball according to Claim 18, wherein the core comprises more than one layer.

37. (New) The golf ball according to Claim 19, wherein the cover has a thickness of 0.3 mm to 1.2 mm.

38. (New) The golf ball according to Claim 19, wherein the cover has a thickness of 0.3 mm to 1.0 mm.

39. (New) The golf ball according to Claim 19, wherein the dimples have a shape which is circular, non-circular, or both circular and non-circular.

40. (New) The golf ball according to Claim 19, wherein the core comprises more than one layer.

41. (New) The golf ball according to Claim 20, wherein the cover has a thickness of 0.3 mm to 1.2 mm.

42. (New) The golf ball according to Claim 20, wherein the cover has a thickness of 0.3 mm to 1.0 mm.

43. (New) The golf ball according to Claim 20, wherein the dimples have a shape which is circular, non-circular, or both circular and non-circular.

44. (New) The golf ball according to Claim 20, wherein the core comprises more than one layer.